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1

of

5

Compleat If Known

Application Number

Filing Date**First Named Inventor**

Sukant Tripathy

Group Art Unit

Examiner Name

Attorney Docket Number

NA-1219-CIP 2

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Sheet	2	of	5	Application Number	
				Filing Date	
				First Named Inventor	Sukant Tripathy
				Group Art Unit	
				Examiner Name	
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J	J	Tzou, K. and Gregory, R.V., "A method to prepare soluble polyaniline salt solutions - in situ doping of PANI base with organic dopants in polar solvents," <i>Synthetic Metals</i> , 53:365-377 (1993).	
	K	Nguyen, M.T., et al., "Synthesis and properties of novel water-soluble conducting polyaniline copolymers," <i>Macromolecules</i> , 27:3625-3631 (1994).	
	L	Shannon, K. and Fernandez, J.E., "Preparation and properties of water-soluble, poly(styrenesulfonic acid) -doped polyaniline," <i>J. Chem. Soc., Chem. Comm.</i> , 643-644 (1994).	
	M	Tanaka, K., et al., "Doping effect of C60 on soluble polyaniline," <i>Synthetic Metals</i> , 66:193-196 (1994).	
	N	Ferreira, M., et al., "Molecular self-assembly of conjugated polyions: a new process for fabricating multilayer thin film heterostructures," <i>Thin Solid Films</i> , 244:806-809 (1994).	
	O	Ng, S.C., et al., "Poly(o-aminobenzylphosphonic acid): a novel water soluble, self-doped functionalized polyaniline," <i>J. Chem. Soc., Chem. Commun.</i> , 1327-1328 (1995).	
	P	Chen, S. and Hwang, G., "Synthesis of water-soluble self-acid-doped polyaniline," <i>J. Am. Chem. Soc.</i> , 116:7939-7940 (1994).	
	Q	Chen, S. and Hwang, G., "Water-soluble self-acid-doped conducting polyaniline: structure and properties," <i>J. Am. Chem. Soc.</i> , 117:10055- 10062 (1995).	
	R	Chan, H.S.O., et al., "A new water-soluble, self-doping conducting polyaniline from poly(o-aminobenzylphosphonic acid) and its sodium salts: synthesis and characterization," <i>J. Am. Chem. Soc.</i> , 117:8517-8523 (1995).	
	S	Dordick, J.S., et al., "Peroxidases depolymerize lignin in organic media but not in water," <i>Proc. Natl. Acad. Sci. USA</i> , 83:6255-6257 (1986).	
	T	Dordick, J.S., et al., "Polymerization of phenols catalyzed by peroxidase in nonaqueous media," <i>Biotechnology and Bioengineering</i> , 30:31-36 (1987).	

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✓	U	Kazandjian, R. Z., et al., "Enzymatic analyses in organic solvents," Biotechnology and Bioengineering, 28:417-421 (1986).	
	V	Klibanov, A.M. et al., "Enzymatic removal of toxic phenols and anilines from waste waters," J. Appl. Biochem., 2:414-421 (1980).	
	W	Sakaki, J., et al., "Lipase-catalyzed asymmetric synthesis of 6-(3-chloro-2-hydroxypropyl)-1, 3-dioxin-4-ones and their conversion to chiral 5,6-epoxyhexanoates," Tetrahedron: Asymmetry, 2:343-346 (1991).	
	X	Ikeda, R., et al., "Novel synthetic pathway to a poly (phenylene oxide) . Laccase-catalyzed oxidative polymerization of syringic acid," Macromolecules, 29: 3053-3054 (1996).	
	Y	Akkara, J.A., et al., "Synthesis and characterization of polymers produced by horseradish peroxidase in dioxane," J. Polymer Sci.: Part A: Polymer Chemistry, 29:1561-1574 (1991).	
	Z	Klibanov, A.M. and Morris, E.D., "Horseradish peroxidase for the removal of carcinogenic aromatic amines from water," Enzyme Microb. Technol., 3:119-122 (1981).	
	AA	Ayyagari, M.S., et al., "Controlled free-radical polymerization of phenol derivatives by enzyme-catalyzed reactions in organic solvents," Macromolecules, 28:5192-5197 (1995).	
	AB	Bruno, F.P., et al., "Enzymatic mediated synthesis of conjugated polymers at the Langmuir trough air-water interface," Langmuir, 11:889-892 (1995).	
	AC	Lapkowski, M., "Electrochemical synthesis of linear polyaniline in aqueous solutions," Synthetic Metals, 35:169-182 (1990).	
	AD	March, J., in Advanced Organic Chemistry - Reactions, Mechanisms, and Structure (NY: Magraw-Hill Company), pp.667, 668 (1977).	
✓	AE	Shinohara, H., et al., "Enzyme microsensor for glucose with an electrochemically synthesized enzyme-polyaniline film," Sensors and Actuators, 13:79-86 (1988).	

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[Signature]	AF	Alva, K.S., et al., "Biochemical synthesis of water soluble polyanilines: poly(p-aminobenzoic acid) ," Macromol. Rapid Comm., 17:859.-863 (1996) .	
[Signature]	AG	Liao, Y., and Levon, K., "Solubilization of polyaniline in water by interpolymer complexation," Macromol. Rapid Commun., 16: 393-397 (1995) .	
[Signature]	AH	Excerpts from "Plastics Engineering: Plastics - Saving Planet Earth," Volume LIII, Number 3 -(Toronto; March, 1997) .	
[Signature]	AI	Westerweele, E., et al., "'Inverted' Polmer Light-Emitting Diodes on Cylindrical Metal Substrates," Advanced Materials, 7(9) :788-790 (1995) .	
[Signature]	AJ	Ryu, K., et al., "Peroxidase-Catalyzed Polymerization of Phenols: Kinetics of p-Cresol Oxidation in Organic Media," American Chemical Society Symp. Ser., 389:141-157 (1989) .	
[Signature]	AK	Alva, K.S., et al., "Novel Immobilization Techniques in the Fabrication of Efficient Electrochemical Biosensors," SPIE, 2716: 152-163 (1996) .	
[Signature]	AL	Genies, E.M., et al., "A rechargeable battery of the type polyaniline/propylene carbonate -LiClO4/Li-Al," Journal of Applied Electrochemistry 18:751-756 (1988) .	
[Signature]	AM	Samuelson, L.A., et al., "Biologically Derived Conducting and Water Soluble Polyaniline," Macromolecules 31:4376-4378 (1998) .	
[Signature]	AN	Liu, W., et al., "Enzymatically Synthesized Conducting PolLyaniline," J. Am. Chem. Soc. 121:71-78 (1999) .	
[Signature]	AO	Zhang, Q.M., et al., "Enzymatic Template Synthesis of Polyphenol," Materials Research Society 600:255-259 (2000) .	
[Signature]	AP	Akkara, J.A., et al., "Hematin-Catalyzed Polymerization of Phenol Compounds," Macromolecules 33:2377-2382 (2000) .	

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AQ		Dordick, J. S., "Enzymatic catalysis in monophasic organic solvents," 1 Eynzyme Microbial Technology 11: 194-211 (1989).	
AR		Dunford, H.B., "Horseradish Peroxidase: Structure and Kinetic ji. Properties," In Peroxidases in Chemistry and Biology Vol. II, J. Everse, et al., eds (FL: CRC Press, Inc.), Pp 2-17 (1991).	
AS		Wudl, F., et al., "Poly(p-phenyleneamineimine): Synthesis and arison to Polyaniline" J. Am. Chern. Soc. 109:3677-3684 (1987).	
AT		Stafström, S., et al., "Polaron Lattice in Highly Conducting Polyaniline: Theoretical and Optical Studies," The American Physical Society 59:1464-1467 (1987).	
AU		Shacklette, L.W., et al., "EMI Shielding of Intrinsically Conductive Polymers," In Search of Excellence by Society of Plastic Engineers and Plastics Engineering 665-667 (1991).	
AV		Przybycien et al. "Electrochemical separation utilizing metalloporphyrins and metallophthalocyanines", 1998, Chem Abstract 128: 162418.	

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